# SPECIFICATIONS

## 260

- **Make**: John Deere
- **Model**: 3029T
- **Type**: Diesel
- **Cylinders**: 3
- **Bore**: 106 mm (4.17-in.)
- **Stroke**: 110 mm (4.33-in.)
- **Displacement**: 2.9 L (179 cu. in.)
- **Gross horsepower (SAE J1940)**: 54 kW (72.4 hp) @ 2400 rpm
- **Net horsepower (SAE J1940)**: 51.5 kW (69 hp) @ 2400 rpm
- **Torque rise**: 26%
- **RPM, rated**: 2400
- **RPM, slow (no load)**: 1175
- **RPM, fast (no load)**: 2525
- **Lubrication**: Full pressure
- **Crankcase capacity (with filter)**: 7.4 L (7 qt.)
- **Cooling system**: Liquid
- **Coolant capacity radiator and block**: 10.6 L (11.2 qt.)
- **Air filter type**: Dry paper with primary and secondary elements
- **Electrical**:
  - **Type of starter**: 2.5 kW Valeo
  - **Battery voltage**: 12 V
  - **Battery reserve capacity at 27°C (80°F)**: 180 minutes
  - **Battery cold cranking amps at -18°C (0°F)**: 950
  - **Charging system**: 55 amp alternator
- **Fuel System**:
  - **Fuel**: Diesel #2
  - **Capacity**: 76 L (20 gal.)
  - **Fuel delivery**: Rotary injection
  - **Fuel shut-off**: Fuel shut-off solenoid in injection pump
- **Powertrain**:
  - **Type**: Variable displacement
  - **Brakes**: Wet disk on hydrostatic motor shaft—SAHR (spring-applied hydraulic-release)
- **Steering**:
  - **Type**: Hydrostatic
- **Hydraulics**:
  - **Main system relief pressure**: 21374 kPa (3100 psi)
  - **Hydraulic pump (standard flow)**: 80.6 lpm (21.3 gpm)
  - **Hydraulic pump (high flow)**: 125.3 lpm (33.1 gpm)
  - **Hydraulic valve**: 3-spool open center
  - **Hydraulic system capacity**: 34.1 L (9 gal.)
  - **Built-in boom locks**: Yes
  - **Self-leveling**: Optional - hydraulic
  - **Cushioned boom down cylinders**: Standard
- **Performance**:
  - **SAE rated operating capacity**: 1089 kg (2400 lb.)
  - **SAE rated operating capacity with counterweights**: 1180 kg (2600 lb.)
  - **SAE Breakout force (bucket)**: 3409 kg (7500 lb.)
  - **SAE Breakout force (boom)**: 2182 kg (4800 lb.)
  - **Ground speed**:
    - **Single speed**: 11.3 km/h (7.0 mph)
    - **Low range (dual speed)**: 11.3 km/h (7.0 mph)
    - **High range (dual speed)**: 19.3 km/h (12.0 mph)
  - **Axle torque**: 5749 N·m (7795 lb-ft)
  - **SAE operating weight**: 3742 kg (8250 lb.)
  - **SAE tipping load**: 2268 kg (5000 lb.)

## 270

- **Make**: John Deere
- **Model**: 4045D
- **Type**: Diesel
- **Cylinders**: 4
- **Bore**: 106 mm (4.17-in.)
- **Stroke**: 127 mm (5-in.)
- **Displacement**: 4.5 L (275 cu. in.)
- **Gross horsepower (SAE J1940)**: 60.4 kW (82 hp) @ 2400 rpm
- **Net horsepower (SAE J1940)**: 57.5 kW (77 hp) @ 2400 rpm
- **Torque rise**: 27%
- **RPM, rated**: 2400
- **RPM, slow (no load)**: 1000
- **RPM, fast (no load)**: 2525
- **Lubrication**: Full pressure
- **Crankcase capacity (with filter)**: 12 L (12.7 qt.)
- **Cooling system**: Liquid
- **Coolant capacity radiator and block**: 13.4 L (14.2 qt.)
- **Air filter type**: Dry paper with primary and secondary elements
- **Electrical**:
  - **Type of starter**: 4.2 kW Valeo
  - **Battery voltage**: 12 V
  - **Battery reserve capacity at 27°C (80°F)**: 180 minutes
  - **Battery cold cranking amps at -18°C (0°F)**: 950
  - **Charging system**: 55 amp alternator
- **Fuel System**:
  - **Fuel**: Diesel #2
  - **Capacity**: 76 L (20 gal.)
  - **Fuel delivery**: Rotary injection
  - **Fuel shut-off**: Fuel shut-off solenoid in injection pump
- **Powertrain**:
  - **Type**: Variable displacement
  - **Brakes**: Wet disk on hydrostatic motor shaft—SAHR (spring-applied hydraulic-release)
- **Steering**:
  - **Type**: Hydrostatic
- **Hydraulics**:
  - **Main system relief pressure**: 21374 kPa (3100 psi)
  - **Hydraulic pump (standard flow)**: 80.6 lpm (21.3 gpm)
  - **Hydraulic pump (high flow)**: 132.1 lpm (34.9 gpm)
  - **Hydraulic valve**: 3-spool open center
  - **Hydraulic system capacity**: 34.1 L (9 gal.)
  - **Built-in boom locks**: Yes
  - **Self-leveling**: Optional - hydraulic
  - **Cushioned boom down cylinders**: Standard
- **Performance**:
  - **SAE rated operating capacity**: 1270 kg (2800 lb.)
  - **SAE rated operating capacity with counterweights**: 1361 kg (3000 lb.)
  - **SAE Breakout force (bucket)**: 4763 kg (10,500 lb.)
  - **SAE Breakout force (boom)**: 2182 kg (4800 lb.)
  - **Ground speed**:
    - **Single speed**: 11.3 km/h (7.0 mph)
    - **Low range (dual speed)**: 11.3 km/h (7.0 mph)
    - **High range (dual speed)**: 19.3 km/h (12.0 mph)
  - **Axle torque**: 5749 N·m (7795 lb-ft)
  - **SAE operating weight**: 3856 kg (8500 lb.)
  - **SAE tipping load**: 2540 kg (5600 lb.)
### DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>260</th>
<th>270</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall Operating Height</td>
<td>4000 (157.5)</td>
<td>4000 (157.5)</td>
</tr>
<tr>
<td>B. Height to Hinge Pin</td>
<td>3226 (127)</td>
<td>3226 (127)</td>
</tr>
<tr>
<td>C. Dump Height</td>
<td>2591 (102)</td>
<td>2591 (102)</td>
</tr>
<tr>
<td>D. Dump Angle</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>E. Bucket Rollback</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td>F. Dump Reach</td>
<td>813 (32)</td>
<td>813 (32)</td>
</tr>
<tr>
<td>G. Height to ROPS</td>
<td>2105 (82.9)</td>
<td>2105 (82.9)</td>
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<tr>
<td>H. Angle of Departure</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>I. Ground Clearance</td>
<td>280 (11)</td>
<td>280 (11)</td>
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<tr>
<td>J. Wheelbase</td>
<td>1209 (47.6)</td>
<td>1209 (47.6)</td>
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<tr>
<td>K. Overall Length less Bucket</td>
<td>2921 (115)</td>
<td>2921 (115)</td>
</tr>
<tr>
<td>L. Overall Length with Bucket</td>
<td>3504 (138)</td>
<td>3504 (138)</td>
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<tr>
<td>M. Overall Width with Bucket</td>
<td>1935 (76.2)</td>
<td>1935 (76.2)</td>
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<tr>
<td>N. Turning Radius (Front)</td>
<td>2126 (83.7)</td>
<td>2126 (83.7)</td>
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<tr>
<td>O. Wheel Tread</td>
<td>1589 (62.6)</td>
<td>1589 (62.6)</td>
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<td>P. Overall Width less Bucket</td>
<td>1935 (76.2)</td>
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<tr>
<td>Q. Turning Radius (Rear)</td>
<td>1752 (69)</td>
<td>1752 (69)</td>
</tr>
<tr>
<td>R. Height to Axle Center Point</td>
<td>447 (17.6)</td>
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</tr>
</tbody>
</table>

**Notes:**

1) Performance based on skid steer equipped with 14.00 x 17.5 SKS Extra-Wall (260 and 270) tires, auxiliary boom hydraulics, 78-in. heavy-duty foundry bucket, full fuel tank, and 75 kg (165 lb.) operator per SAE Standard J732.

2) Various dimensions for skid steers equipped with non-standard buckets or tires can be found on the charts at the end of this section.
## DIMENSIONS FOR 260 SKID STEERS EQUIPPED WITH NON-STANDARD BUCKETS

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<tr>
<td>Dump Height (mm)</td>
<td>2413.0 (95.0)</td>
<td>2591.0 (102.0)</td>
<td>2306.3 (90.8)</td>
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<td>Dump Reach (mm)</td>
<td>990.6 (39.0)</td>
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<td>Overall Length</td>
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<td>3716.0 (146.3)</td>
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<tr>
<td>Bucket Breakout</td>
<td>2151 (4742)**</td>
<td>3039.0 (6700)*</td>
<td>2151 (4742)**</td>
<td>2151 (4742)**</td>
<td>2266 (4996)</td>
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<td>2151 (4742)**</td>
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* Actual measured value per SAE Standard J732 for bucket breakout force.
** Calculation based on the percent difference of the cutting edge position referenced from the foundry bucket.

## DIMENSIONS FOR 270 SKID STEERS EQUIPPED WITH NON-STANDARD BUCKETS

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<tr>
<td>Bucket Breakout</td>
<td>2953 (6511)**</td>
<td>4173 (9200)*</td>
<td>2953 (6511)**</td>
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<td>3112 (6860)</td>
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** Calculation based on the percent difference of the cutting edge position referenced from the foundry bucket.